DOCKET NO.: ABDT-0574/B030260



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Deia Salah-Eldin Bayoumi, et al.

Confirmation No.:

Application No.: 10/698,772

Group Art Unit: Not Yet Assigned

Filing Date: October 31, 2003

Examiner: Not Yet Assigned

For: SYSTEM AND METHOD FOR MANUFACTURING JOB RESCHEDULING

DATE OF DEPOSIT:

3/1/04

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE P.O. BOX 1450. ALEXANDRIA,

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TYPED NAME: John ErMcGlynn REGISTRATION NO.: 42,863

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date

of a first Office Act	ion on the merits of the above-identified application, or
before the mailing d	ate of a first Office Action after the filing of request for
continued examination	on under § 1.114, no additional fee is required.
In accordance with §	1.129(a), this Information Disclosure Statement is being
filed in connection	with the first or second After Final Submission,
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☐ Certif	ication in Accordance with § 1.97(e) is attached; or
The fe	ee of \$180.00 as set forth in § 1.17(p) is attached.
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1.97(e); and the subr	nission fee of \$180.00 as set forth in § 1.17(p).

PATENT

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		, filed .				

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3050. This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date: 3/1/04

John E. McGlynn / Registration No. 42,863

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Form 1	РТО	-1449 Modified	Docket No. ABDT-0574/B030260	Application No10/698,772		
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Deia Salah-Eldin Bayoumi, et al.			
		nent of Commerce Frademark Office	Filing Date October 31, 2003	Group Not Yet Assigned		
• O T	ГНЕ	R DOCUMENTS (Includi	ing Author, Title, Date,	Pertinent Pages, Etc.)		
/B.P./	1	Aldred, K., "Aerospace N System", IEEE Solutions		t Paperless Manufacturing		
DE 0000	2			quality, November 1998, 46-47		
00000000000	3	deSpautz, J., "Quantifying the Benefits of Automation", ISA Transactions, 1994, 33, 107-112				
000000000000000000000000000000000000000	4	pages Fouhy, k. et al., "Paperless Batch Plants become a Reality", <i>Chemical Engineering</i> , 1995, 31-33 Fuller, L.F. et al., "A Joint Industry_university CIM Project for University Microelectronics Manufacturing", <i>IEEE</i> , 1991, 37-40				
	5					
000000	6					
000000000000000000000000000000000000000	7					
8 Jain, H.K. et al., "E-			g", Information Resources	terogeneous Database Systems for Management Journal, 1992, 3(1),		
	9	Process Planning System 1992, 513-516	to CQMS for Manufactu	ring Process", Supercollider 4,		
V	10	Haverson, D.S., RS/6000	Drives Paperless Manufa	acturing", Applied Solutions, 21-22		
EXAMINER	/E	∟ Brandi Parker/	DATE CON	SIDERED 02/04/2008		

For	m PTO	-1449 Modified	Docket No. ABDT-0574/B030260	Application No. 10/698,772		
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Deia Salah-Eldin Bayoumi, et al.			
U.S. Department of Commerce Patent and Trademark Office			Filing Date October 31, 2003	Group Not Yet Assigned		
	OTHER	R DOCUMENTS (Includ	ing Author, Title, Date,	Pertinent Pages, Etc.)		
· /B.P./	11	Stockout Cost", Int. J. Pi	rod. Res., 1989, 27(4), 70			
•	12	1996, 91, 419-420		rung der Geschaftsprozesse", ZWF,		
000000000000000000000000000000000000000	13	IEEE Transactions on Systems, Man, and Cybernetics, 1987, 17(6), 881-897 Ram, S.N. et al., "Paperless Manufactruing for IC Assembly", IEEE/SEMI Int'l Semiconductor Manufacturing Science Symposium, 1992, 90-93 Remson, M.G., "Paperless Manufacturing, A Challenge Now and in the Future", IEEE/SEMI Int'l Semiconductor Manufacturing Science Symposium, 1991, 89-94 Saad, et al., "Effectiveness of Dynamic Rescheduling in Agent-Based Flexible Manufacturing Systems", SPIE, 3203, 88-99				
000000000000000000000000000000000000000	14					
000000000000000000000000000000000000000	15					
000000000000000000000000000000000000000	16					
000000000000000000000000000000000000000	17	Production, July 1993, 5				
0000	18	Vide, J.J. et al., "FMS W Computer Simulation Co		Proceedings of the 1986 Summer		
·	19	Helicopter Design and M Forum, 1995, 1-10	Ianufacturing", American	nowledge-Based Systems for Helicopter Society 51 st Annual		
V	20	Shop Solutions-"Islands Engineering, 1997, 134-		rless Links", Manufacturing		
EXAMINE	CR	/Brandi Parker/	DATE CON	SIDERED 02/04/2008		

Form I	PTO-	-1449 Modified	Docket No. ABDT-0574/	/B030260	Application No. 10/698,772
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Deia Salah-Eldin Bayoumi, et al.		
		nent of Commerce Trademark Office	Filing Date October 31,	2003	Group Not Yet Assigned
O	ГНЕБ	R DOCUMENTS (Includ	ling Author, T	itle, Date, I	Pertinent Pages, Etc.)
/B.P./	21	"Revamping Manufactur	ring", Compute	er-Aided Eng	gineering, 1995, 10-11
* * *	22	of Technology			Manufacturing", Georgia Institute
	23	and Information Sets", It Management, 2001, 21	nternational Jo 11), 1460-1482	ournal of Op	
000000000000000000000000000000000000000	24	Fung, R.Y.K. et al., "Ad Using Object-Oriented F 2002 , 40(8), 1759-1785	aptive Producti Petri Nets with	ion Schedul Changeable	ing of Virtual Production Systems Structure", Intl. J. Prod. Res.,
	25	Advances in Engineering	g Software, 199	94 , 20, 1-12	on of Manufacturing Information",
000000000000000000000000000000000000000	26		., "Rough-cut Capacity Planning for Remanufacturing Firms", & Control, 1997, 8(3), 237-244 *Integrated Manufacturing Systems: The Concept and mal Journal of Production of Economics, 1991, 25, 5-12		
000000000000000000000000000000000000000	27	Structures", Internationa			
200000000000000000000000000000000000000	Jain, H.K. et al., "E-R Approach to Distributed Heterogeneous Database Systems 1 Integrated Manufacturing", <i>Information Resource Management Journal</i> , 1992 , 3(1 21-29				terogeneous Database Systems for Management Journal, 1992, 3(1),
	29	Thereof', Patents Alert,	5530857, page	2 87	tem and Method of Operation
V	30	Naylor, A.W., et al., "Do IEEE Transactions on S	esign of Integra ystems, Man, a	ated Manufa and Cyberne	acturing System Control Software", tics, 1987, SMC17-(6), 881-897
EXAMINER		/Brandi Parker/	D	ATE CON	SIDERED /B.P./

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Form P	TO-	1449 Modified	Docket No. ABDT-0574/B030260	Application No. 10/698,772	
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U.S. Dep Patent a	U.S. Department of Commerce Patent and Trademark Office		Filing Date October 31, 2003	Group Not Yet Assigned	
ОТ	HER	DOCUMENTS (Includ	ing Author, Title, Date,	Pertinent Pages, Etc.)	
/B.P./	31	Oreshin, K.P. et al., "Into KAMAZ Work Complex	egrated Multilevel Systen K", Soviet Journal of Instr	n for Control of Production of the rumentation and Control, 1983, 4,	
000000000000000000000000000000000000000	32	Flexible Manufacturing	Systems (FMS)", Proceed & Automation, 1999, 111	ol for Dynamic Scheduling in dings of the IEEE International	
000000000000000000000000000000000000000	33	Patkai, B., "A Cooperati	ve Scheduling System for	r Paper Machinery Manufacturing,	
000000000000000000000000000000000000000	34	Workstations", IEEE Tr	ansactions on Robotics a	les for Automated Manufacturing and Automation, 1996, 12(3), 391-	
000000000000000000000000000000000000000	35	Roberts, P.D. et al., "A	Coordination Strategy for Integrated Operations Management 091, page 1071		
000	36	Saad, A. et al., "Effective Manufacturing Systems	veness of Dynamic Reschiveness	eduling in Agent-Based Flexible	
000000000000000000000000000000000000000	37	Slomp, J. et al., "A Man Manufacturing System"	ufacturing Planning and (, Robotics & Computer-In	Control System for a Flexible ntegrated Manufacturing, 1993,	
999000000000000000000000000000000000000	38	Zhu, L. et al., "FMS Job Time and Sequence Des	viation", Proceedings of t ntelligent Systems and Sei	Disruptions with Consideration of the IEEE International Symposium miotics, 1999, 138-143	
5.20	39	"Integrated Manufactur	ing-A Challenge for the l	1990s", ESPRIT Consortium Jurnal, 1991, 101-102	
* 🗸	40	K. Kachigan, Multivari Edition, 1991		Conceptual Introduction, 2 nd	
EXAMINER		/Brandi Parker/		NSIDERED 02/04/2008 Frademark since it is believed to	

A copy of this reference will not be forwarded to the U.S. Patent and Trademark since it is believed to be too voluminous and easily obtainable by the Examiner

Form PTO-1449 Modified			Docket No. ABDT-0574/B030260	Application No 10/698,772).
	List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office OTHER DOCUMENTS (Include		Applicant Deia Salah-Eldin Bayoumi, et al.		
			Filing Date October 31, 2003	Group Not Yet Assign	ned
О	THEF				
* /B.P./	41 42 43 44 45 46	Regression, 2002, John Cox, D., "Analyzing Tox, D., "Analyzing Tox, Design", Proceedings Computer Engineering Doulamis, N.D., et al. Transformer Construct Saravolac, M.P., "Use Institution of Electrical Balma, P.M. et al., "E	Transformer Test Data", "The Application of Intellige of the 2002 IEEE Canadiang, 2002, 285-290, "A Synergetic Neural Network of Advance Software Technal Engineers, 1998, 1-11 expert Systems for Power Trign Review", Proceedings of	ent Systems in Po Conference on E work-Genetic Sch Aided Engineerin niques in Transfo	ower Transformer Electrical & neme for Optimal ng, 2002, 9, 37-56 ormer Design", The enance,
EXAMINER		/Brandi Parker/	DATE CON	NSIDERED 0	02/04/2008

A copy of this reference will not be forwarded to the U.S. Patent and Trademark since it is believed to be too voluminous and easily obtainable by the Examiner

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(Use several sheets if necessary) U.S. Department of Commerce				Applicant Deia Salah-Eldin Bayoumi, et al.		
				Filing Date October 31, 2003 Group Not Yet Assigne		igned
		U. 8	S. PATENT	T DOCUMENTS		
Examiner Initial		Document No.	Date	Name	Class	Subclass
/B.P./	47	5,311,438	05/10/94	Sellers, et al.	364	468
200000000	48	5,463,555	10/31/95	Ward, et al.	364	468
000	49	5,835,764	11/10/98	Platt, et al.	395	671
000000000000000000000000000000000000000	50	6,324,259 B1	02/05/02	Sandoual	705	7
000000000000000000000000000000000000000	51	6,324,523 B1	11/27/01	Killeen, Jr. et al.	705	35
000000000000000000000000000000000000000	52	6,477,521 B1	11/05/02	Kuomura, et al.	707	1
000	53	2001/0042092 A1	11/15/01	Kudo, et al.	709	200
000	55	2002/0143598 A1	10/03/02	Scheer	705	9
000	56	6,633,772	10/14/03	Ford, et al.	600	345
V	57	6,636,862 B2	10/21/03	Lundahal	707	101
•	' 	FORE	IGN PATI	ENT DOCUMENTS		
Examiner			D			nslation
Initial (D.D.)	50	Document No.	Date 10/27/02	Country	YES	NO
/B.P./	58	EP 0 567 291 A2	10/27/93	EPO		
	59	EP 0 721 625 B1	04/24/02	EPO		
BB0000000	60	WO 95/09387	04/06/95	PCT		
××××××××××××××××××××××××××××××××××××××	61	WO 98/57285	12/17/98	PCT		
	62	WO 99/15979	04/01/99	PCT		_
XXXXXX	63	WO 01/02928 A2	01/11/01	PCT		
V	64	WO 01/50405 A1	07/12/01	PCT		
EXAMINER	₹	/Brandi Parker/		DATE CONSIDERED	02/04/2008	